GCCS/DII COE System Integration Support

DII COE Oracle Database (DIIDB) COTS Segment Revised Installation Procedures

January 27, 1997

Prepared for:

DISA/JEJA
ATTN: Ms. Claire Burchell
45335 Vintage Park Plaza
Sterling, VA 20166-6701

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Prepared by:

Computer Sciences Corporation
Defense Enterprise Integration Services
Four Skyline Place
5113 Leesburg Pike, Suite 700
Falls Church, VA 22041

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Defense Information Infrastructure (DII)

Common Operating Environment (COE)

Revised Installation Procedures
Oracle Database (DIIDB) COTS Segment
Version 1.0.0.0/7.3.2.3 (Sun Sparc/Solaris 2.5.1)

Version 3.0

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Preface

The following conventions are used in this document:

Bold	Used for information that is typed, pressed, or selected in executables and instruction. For example, select connect to host.
Italics	Used for file names, directories, scripts, commands, user Ids, document names, and Bibliography references; and any unusual computerese the first time it is used in text.
Underline	Used for emphasis.
Arrows <>	Used to identify keys on the keyboard. For example <Return>.
”Quotation Marks”	Used to identify informal, computer-generated queries and reports, or coined names; and to clarify a term when it appears for the first time.
Courier Font	Used to denote anything as it appears on the screen or command lines. For example User:/ora01/dba/oradb:/bin/csh.
Capitalization	Used to identify keys, screen icons, screen buttons, field, and menu names.

Installation Procedures

This document provides a quick reference for installing the ORACLE Database onto a Sun Sparc Defense Information Infrastructure (DII) Workstation.

INSTALL PROCEDURE: DII ORACLE DATABASE CONTENTS

This document contains the installation instructions for the DII ORACLE Database (DIIDB). This segment builds the system Oracle database tables. This segment is intended to be a template; it creates what Oracle terms a "medium" sized installation. This segment requires ORAS version 1.1.

KNOW THIS BEFORE INSTALLATION

The DIIDB Oracle Database requires three mount points: /ora01, /ora02, and /ora03, as described in the Oracle RDBMS (ORAS) installation procedures. The space that this segment requires under each partition is:

DIIDB: /ora01 = 75M
/ora02 = 1M
/ora03 = 1M

The following describes the space required to install the Oracle RDBMS (ORAS) and DIIDB on a machine. In addition, if it is desired to load the Oracle Client Applications (ORAC), this information is broken out.

	/ora01	/ora02	/ora03
ORAS	300M		
DIIDB	75M	1M	1M
Total	375M	1M	1M
ORAC	57M		
Grand Total	432M	1M	1M

These values allow some room for log and trace files that are generated and some room for growth. The totals do not apply to other databases that might be delivered. Further, if additional ORACLE products are delivered, this total could grow.

By creating the system tables, this segment configures the Oracle RDBMS. It is not necessary to install this

segment; by following the procedures described in the Oracle documentation, one can install the system tables and configures the database server by hand.

If this segment is being used, the installer will be asked to specify Oracle passwords for <oradba>, <sys> and <system> and an UNIX login password for <oradba> .

NOTE: Instructions for creating and dropping Oracle Database user accounts are described in Oracle Database Server segment's release notes (/h/COTS/ORAS/SegDescrip/ReleaseNotes).

QUESTIONS FOR THE INSTALLER

After 10 - 20 minutes, the installer is asked if they wish to change the default Oracle ORADBA, SYS and SYSTEM Passwords. The installer should respond 'y'. The installer is then prompted to:

Enter the password for ORADBA.

Enter an alphanumeric password for ORADBA to access the database. Must be six to twelve characters in length. Only letters, numbers and '_' are allowed; first character alpha.

Enter the password for SYS.

Enter an alphanumeric password for SYS to access the database. Must be six to twelve characters in length. Only letters, numbers and '_' are allowed; first character alpha.

Enter the password for SYSTEM.

Enter an alphanumeric password for ORADBA to access the database. Must be six to twelve characters in length. Only letters, numbers and '_' are allowed; first character alpha.

Finally, the installer is prompted for the Unix login password for ORADBA. It will appear to the installer in an xterm as follows:

You are setting the UNIX login password for user oradba.

New password:

Re-enter new password:

CONFIGURATION AFTER INSTALLATION

The system administrator must perform the following steps exactly and in order to complete the DIIDB installation. Completing these steps allow people to log in as <oradba> and have access to the Oracle database. These steps are only necessary until the DBA Account Group becomes available.

1. Using the security manager, create a new profile. Its account group must be SysAdm. You can call the new profile anything; this document will refer to it as new-profile. Add application Oracle Admin to this profile.

2. As root, in an xterm execute:

   /usr/ucb/vipw

   and delete oradba from /etc/passwd and the /etc/shadow files.

3. Log in as <secman> and run the Security Manager. Create an account for <oradba >. Specify "new-profile" as the <oradba> user profile. Note down the uid assigned to <oradba> (it will be approximately 1500); this document will call this "the old oradba uid ". If this fails, use Security Manager to delete the oradba account and try again.

4. As root, in an xterm execute:

   /usr/ucb/vipw

   Modify the <oradba> uid to 201 and group to 102 in the /etc/passwd file. The first four fields (there are more than four fields) should look like this after modifying the uid and group id:

   oradba:x:201:102:

   Save the changes and close the file. Enter "e" to open the shadow file. Save without any changes and close the file.

   As <root>, execute:

   chown -R 201 /h/USERS/local/oradba

   For the next two commands (chowns) an error "No such file or directory" may appear. That is OK.

   As <root>, execute:

   chown -R 201 /var/dt/appconfig/appmanager/oradba*

   chown -R 201 /var/dt/tmp/oradba*

Edit the file /h/USERS/local/Profiles/**.**User**.**dat and change the old oradba uid to 201. Re-order the lines in the file to maintain ascending order.

Edit the file /h/USERS/local/Profiles/**.**UserProfile**.**dat and change the old oradba uid to 201. Re-order the lines in the file to maintain ascending uid order.

Perform the following:

cp /ora01/dba/oradba/Scripts/**.**cshrc /h/USERS/local/oradba/Scripts/**.**cshrc.oradba

cd /h/USERS/local/oradba/Scripts

chown oradba .cshrc.oradba

Edit /h/USERS/local/oradba/Scripts/**.**cshrc and add the following line to the bottom of the file:

source ~/**.**cshrc**.**oradba